Melissa Regalado

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Education

Boston University College of Engineering Boston, MA
Bachelor of Science in Computer Engineering Expected May 2026

Relevant Coursework

Applied Algorithms for Engineers	Introduction to Electronics	Digital VLSI Circuit Design
Physics of Semiconductor Devices	Computer Organization	Introduction to Logic Design

SKILLS

Programs & Languages: Python, Unix, C, C++, Matlab, Assembly, Java, R, HTML, CSS, Verilog, Cadence Virtuoso
Other: Drill Press, Soldering, Microsoft Office, Visual Studio, Arduino, Microsoft Excel, PowerPoint, Word, Spanish fluency

Professional Experience

Touch Education Technology Cambridge, MA
Program Coordinator Summer 2025
•Facilitated online and in-person STEM programs by managing logistics, attendance, and academic support
•Supported student safety and engagement during Boston-based workshops through local guidance and supervision
•Acted as liaison between students, mentors, and leadership to strengthen community and program delivery

Upward Bound Math & Science Boston, MA
Tutor Mentor June 2025 – Present
•Led study halls and academic workshops for STEM-focused high school students
•Provided individualized guidance in math and science to support college readiness
•Mentored students through goal setting and skill-building in a structured academic environment

Boston University Undergraduate Visitor Center Boston, MA
Student Admissions Representative May 2023 – Present
•Engaged with prospective students and families, answering questions about admissions and academics
•Delivered campus tours as a BU Tour Guide and Scarlet Speaker, highlighting student life and university resources
•Communicated effectively across diverse audiences to represent BU's mission and values

Intergenerational Literacy Program Chelsea, MA
Intergenerational Literacy Tutor Sep 2021 – May 2023
•Conducted personalized tutoring sessions for students of all ages and English proficiency levels
•Adapted teaching methods to suit individual learning styles and language goals
•Created a welcoming, inclusive learning environment to support literacy and confidence

Select Projects

•**Assistive Eating Utensil** - Designed and developed a mechanically actuated eating utensil to enable individuals who experience involuntary hand movements to allow independent eating.
•**Image Processing using UART and FPGA** - A signal processing machine with UART and FPGA is used to darken, brighten, and invert images. MATLAB interfaces with the system, enabling efficient real-time manipulation of images through hardware-based processing.

Leadership & Affiliations

•**First-Gen, Low-Income Partnership (FLIP) Executive Board – Secretary:** Supported event planning and internal communications to foster an inclusive space for first-gen students.
•**BU Admissions Student Diversity Board – Member:** Contributed to campus diversity and inclusion efforts.